

Work Order ID 73813

Friday, September 16, 2011 10:31:23 AM



PRELIMINARY ISSUE ECN 11-640
Page 1

Item ID: D3805-041	Accept		Setup Start	
Revision ID:			Stop	
Item Name: Wearplate Assembly Fwd, Low Gear				
Start Date: 9/16/2011	Start Qty: 8.00		Cust Item ID:	
Required Date: 10/7/2011	Req'd Qty: 8.00		Customer:	
Reference:				

Approvals:	Process Plan:	Date: _____	Tooling: _____	Date: _____	Run Start	
	QC: _____	Date: _____	SPC (Y/N): _____	Date: _____	Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3805	11.10.04 ECN 11-640	0.00							
100									
Large Fab	Memo	0.00							
Large Fab	1- on D3806-1, fill cut outs with hardcoat welding rod as per dwg D3805 2059 B Hardcoat Welding Rod BATCH#: 11/18/807								
	2-weld D3806-1 to wearplate by positioning holes together as per dwg D3805 304 S.S. Welding Rod BATCH # 11/17/659								
	3-Transfer drill holes in bar								
110	QC9- Inspect visual per QSI004- Fusion Welds	0.00							
QC	Memo	0.00							
Quality Control									

EL / JBL 11-9-28 (X8)

11.09.29 (X8)

1

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 73813

Page 2

Friday, September 16, 2011 10:31:23 AM

Item ID: D3805-041

Accept



Setup Start



Revision ID:

Stop



Item Name: Wearplate Assembly Fwd, Low Gear

Start Date: 9/16/2011 Start Qty: 8.00



Cust Item ID:

Required Date: 10/7/2011 Req'd Qty: 8.00



Customer:

Reference:

Run Start



Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Stop



QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

120

QC5- Inspect part completeness to step on W/O

0.00



QC

Memo

0.00

Quality Control

8/16/11/29

(8)

130

Grey Sandtex(Ref:4.3.5.6) per QSI005 4.3

0.00



Powdercoat

Memo

0.00

Powder Coating

START TIME: 2:15

OVEN TEMPERATURE: 320 OF

FINISH TIME: 2:45

8x0 m-14/09/29

140

QC3- Inspect Part Finish

0.00



QC

Memo

0.00

Quality Control

8 d M 14/09/29
COUNT

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Friday, September 16, 2011 10:31:23 AM

[illegible]

Abstract

[illegible]

11
 12

Reference:

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

SPC (Y/N): _____ Date: _____

Insp. Stamp

[illegible]

Small Fab

1- Bond D3807-1 gasket to inner surface of wearplate using a thin layer of 3M 1300/1300L scotch grip adhesive as per dwg
BATCH: *M117780*

[illegible]

Quality Control

QC5- Inspect part completeness to step on W/O

to Rev FBI

Dry only

8/10/80 (xg)

[illegible]

fp

Identify as per dwg & Stock Location: _____

Packaging

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



Work Order ID 73813


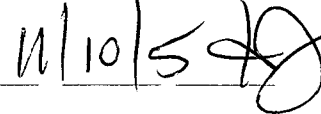
Friday, September 16, 2011 10:31:23 AM



Page 4

Item ID: D3805-041 Accept  Setup Start 
Revision ID: Stop 
Item Name: Wearplate Assembly Fwd, Low Gear
Start Date: 9/16/2011 Start Qty: 8.00  Cust Item ID:
Required Date: 10/7/2011 Req'd Qty: 8.00  Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start 
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop 

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
180  QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 0.00						11/10/5	

11-10-05

POSITIVE RECALL

EFFECTIVE 11-09-11 AUTH URELEASED a DATE 11-10-05ECAS 11-640
11.10.04

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Friday, September 16, 2011 10:31:20 AM

Page 1

Work Order ID: 73813

Parent Item: D3805-041

Parent Item Name: Wearplate Assembly Fwd, Low Gear







Start Date: 9/16/2011

Required Date: 10/7/2011

Start Qty: 8.00

Required Qty: 8.00

Comments: IPP Rev:A 08-07-21 new issue DD verified by:EC IPP Rev:B 09-03-04
rev.a as per dwg DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3805-1  Plate		Manufactured	No			100	Each	2.0000	1	8			
				74047 x 8								EL 11-9-28	
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				WA				2					
					69023			2					
D3806-1  Bar		Manufactured	No			100	Each	0.0000	1	8			
				74165 x 8								EL 11-9-28	
D3807-1  Gasket		Manufactured	No			150	Each	5.0000	1	8			
												EL 54/09/30	
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				FP010				5					
					69022			5					

374056 (8)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

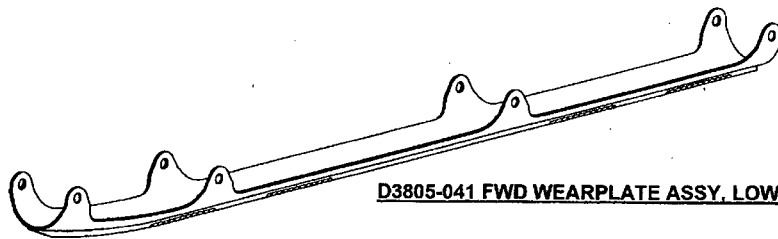
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

8 7 6 5 4

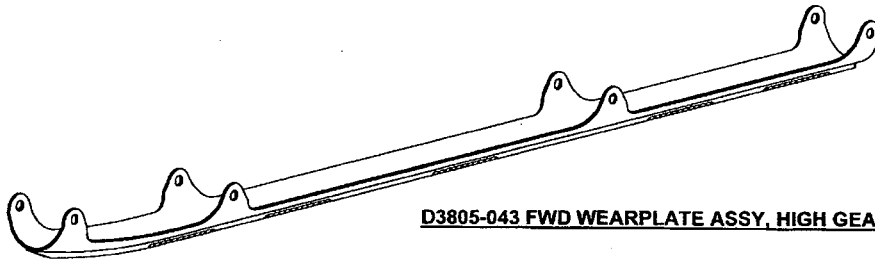
3 2 1

D



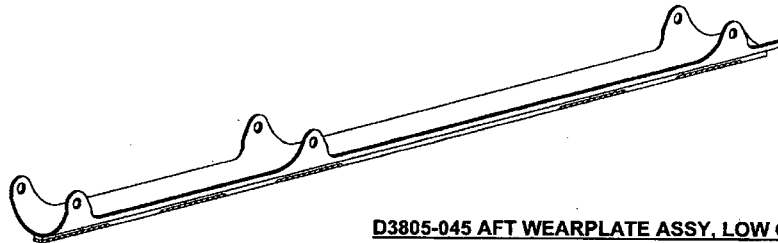
D3805-041 FWD WEARPLATE ASSY, LOW GEAR

C



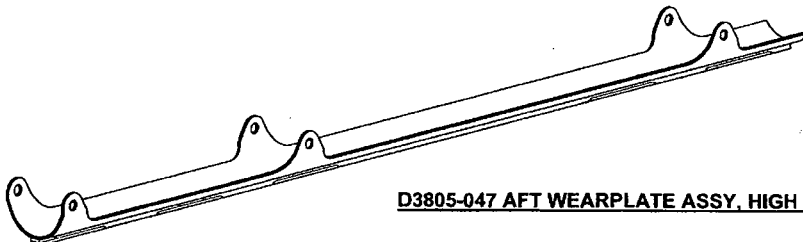
D3805-043 FWD WEARPLATE ASSY, HIGH GEAR

B



D3805-045 AFT WEARPLATE ASSY, LOW GEAR

A



D3805-047 AFT WEARPLATE ASSY, HIGH GEAR

8 7 6 5 4

3 2 1

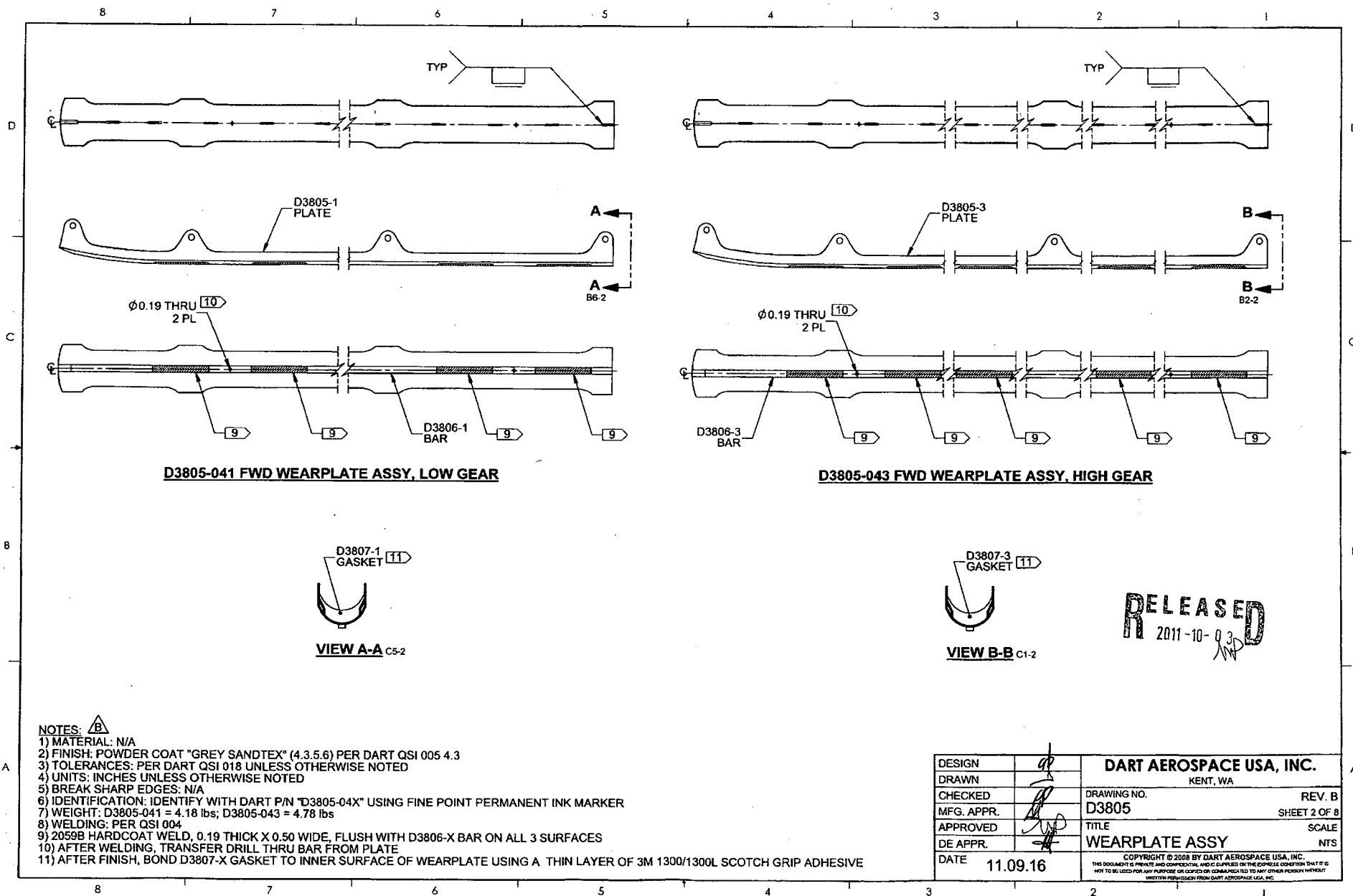
ITEM	QTY -041	QTY -043	QTY -045	QTY -047	P/N	DESCRIPTION
1	X				D3805-041	FWD WEARPLATE ASSY, LOW GEAR
2		X			D3805-043	FWD WEARPLATE ASSY, HIGH GEAR
3			X		D3805-045	AFT WEARPLATE ASSY, LOW GEAR
4				X	D3805-047	AFT WEARPLATE ASSY, HIGH GEAR
11	1				D3805-1	PLATE
12		1			D3805-3	PLATE
13			1		D3805-5	PLATE
14				1	D3805-7	PLATE
15	1				D3806-1	BAR
16		1			D3806-3	BAR
17			1		D3806-5	BAR
18				1	D3806-7	BAR
19	1				D3807-1	GASKET
20		1			D3807-3	GASKET
21			1		D3807-5	GASKET
22				1	D3807-7	GASKET
31	A/R	A/R	A/R	A/R	2059B	HARDCOAT
32	A/R	A/R	A/R	A/R	1300 (OR 1300L)	3M SCOTCH-GRIP ADHESIVE

W/07/3813

RELEASED
2011-10-03

B	REVISED D3805-1F/3F TO EASE MANUFACTURABILITY (ADDED CUTOFF AT FWD END OF PLATE PER PART 1-106) AND RE-ORGANIZED NOTES SHEETS 2 & 3	MB	11.09.16
A	NEW ISSUE	MB	08.11.21
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>[Signature]</i>	DART AEROSPACE USA, INC. KENT, WA DRAWING NO. D3805 TITLE WEARPLATE ASSY REV. B SHEET 1 OF 8 SCALE NTS	
DRAWN	<i>[Signature]</i>		
CHECKED	<i>[Signature]</i>		
MFG. APPR.	<i>[Signature]</i>		
APPROVED	<i>[Signature]</i>		
DE APPR.	<i>[Signature]</i>	DATE 11.09.16	

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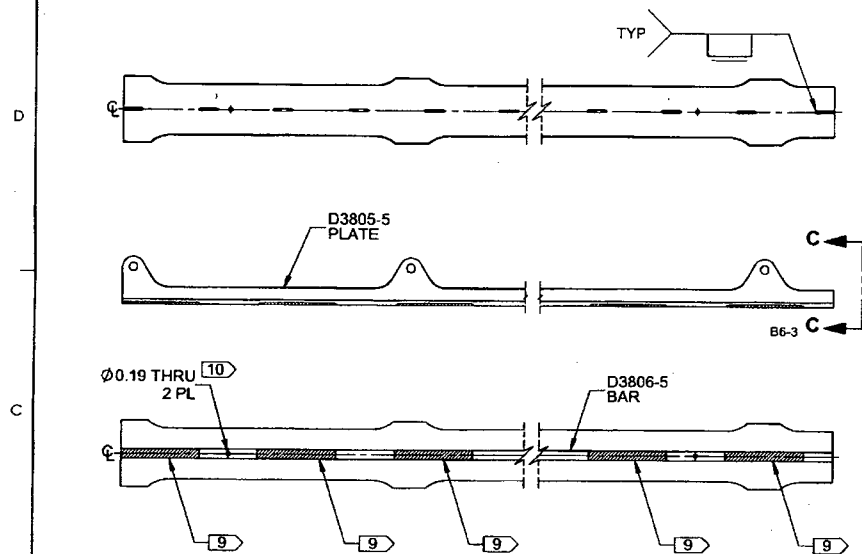


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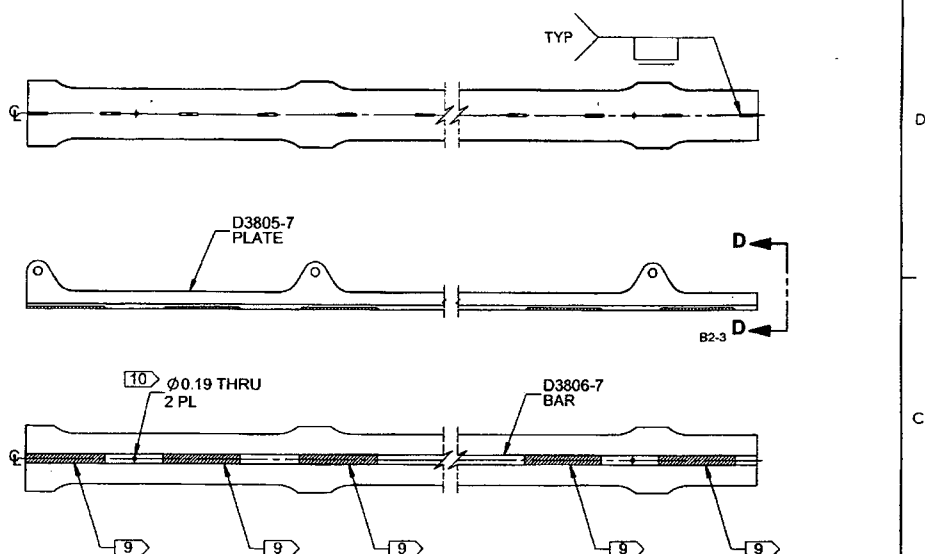
- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT "GREY SANDTEX" (4.3.5.6) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3805-04X" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: D3805-041 = 4.18 lbs; D3805-043 = 4.78 lbs
- 8) WELDING: PER QSI 004
- 9) 2059B HARDCOAT WELD, 0.19 THICK X 0.50 WIDE, FLUSH WITH D3806-X BAR ON ALL 3 SURFACES
- 10) AFTER WELDING, TRANSFER DRILL THRU BAR FROM PLATE
- 11) AFTER FINISH, BOND D3807-X GASKET TO INNER SURFACE OF WEARPLATE USING A THIN LAYER OF 3M 1300/1300L SCOTCH GRIP ADHESIVE

DESIGN		DART AEROSPACE USA, INC.	
DRAWN		KENT, WA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D3805	SHEET 2 OF 8
APPROVED		TITLE	SCALE
DE APPR.		WEARPLATE ASSY	NTS
DATE	11.09.16	<small>COPYRIGHT © 2008 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	

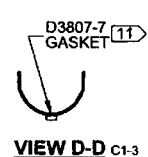
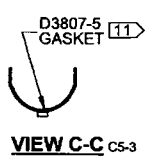
8 7 6 5 4 3 2 1



D3805-045 AFT WEARPLATE ASSY.



D3805-047 AFT WEARPLATE ASSY.

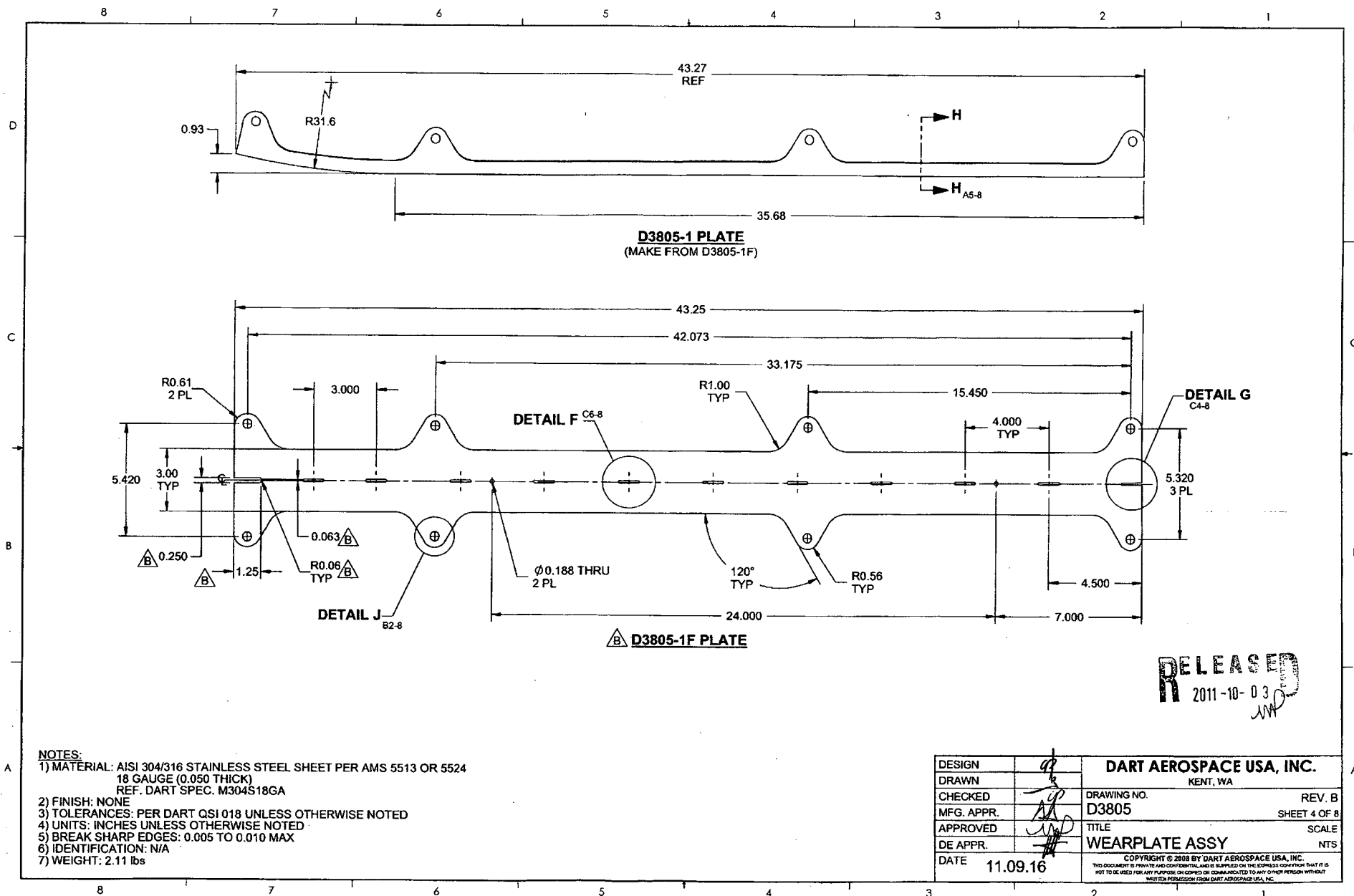


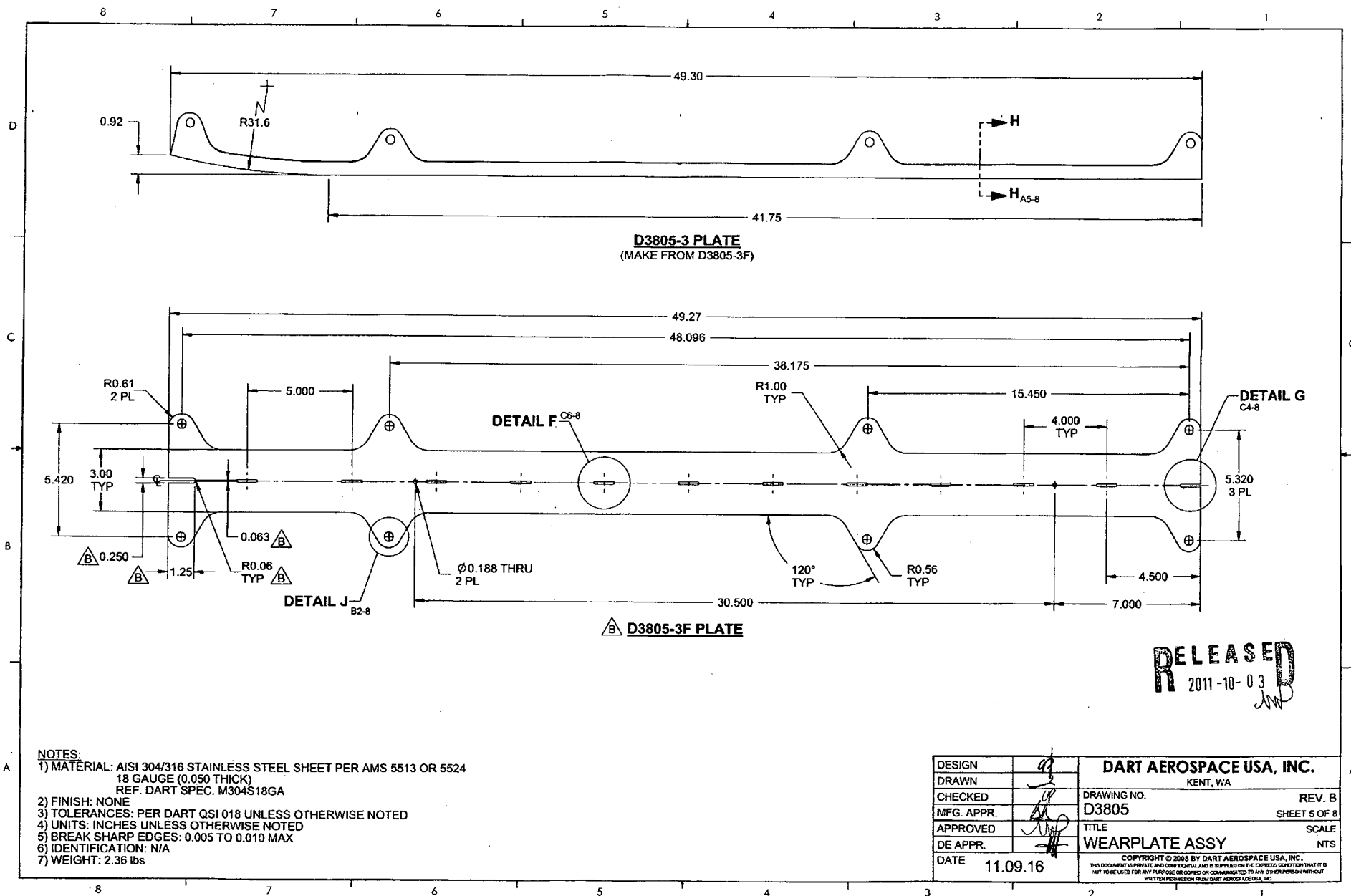
RELEASED
2011-10-03
JMP

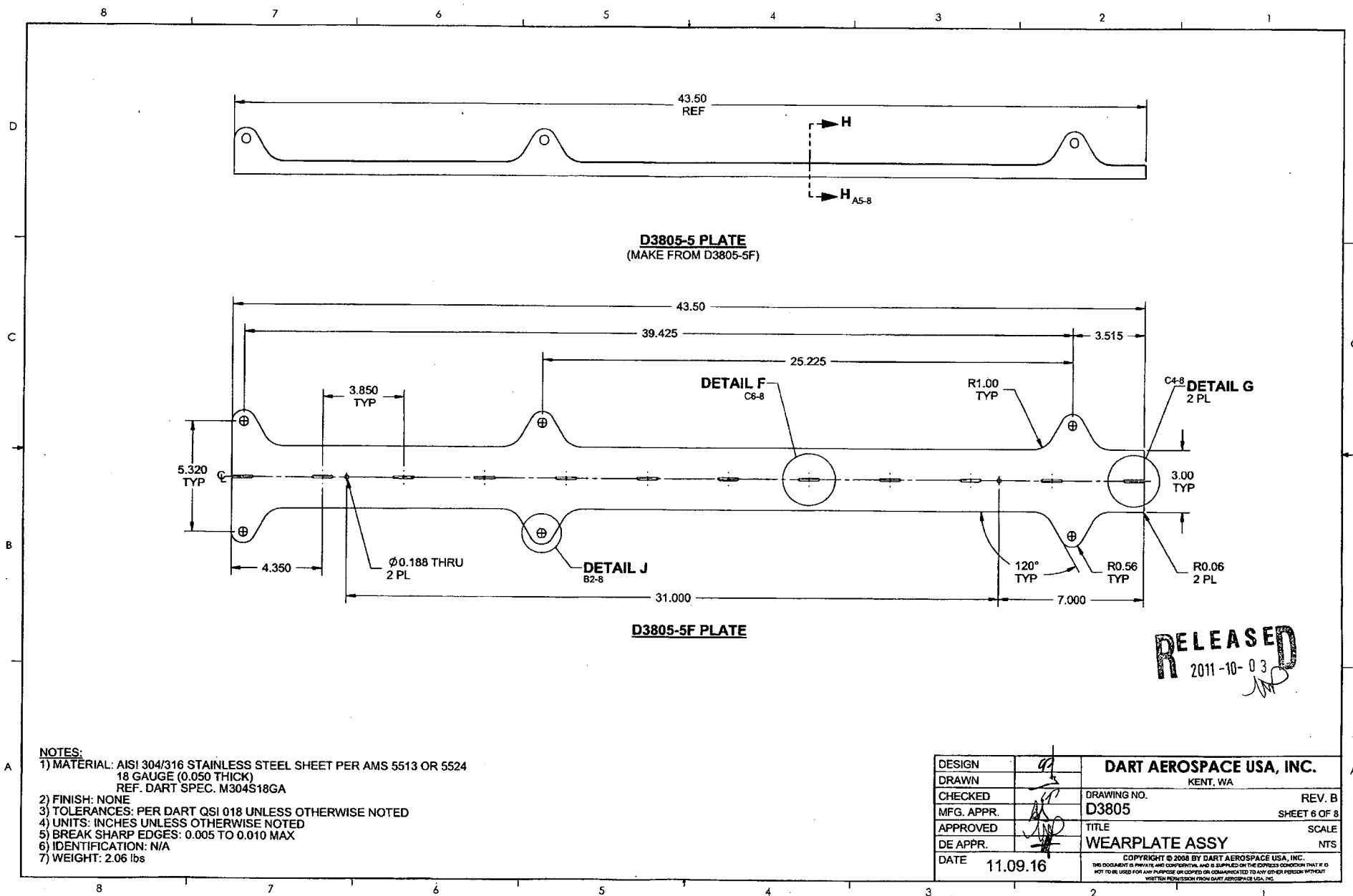
- NOTES:**
- 1) MATERIAL: N/A
 - 2) FINISH: POWDER COAT "GREY SANDTEX" (4.3.5.6) PER DART QSI 005 4.3
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3805-04X" USING FINE POINT PERMANENT INK MARKER
 - 7) WEIGHT: D3805-045 = 4.24 lbs; D3805-047 = 4.53 lbs
 - 8) WELDING: PER QSI 004
 - 9) 2059B HARDCOAT WELD, 0.19 THICK X 0.50 WIDE, FLUSH WITH D3806-X BAR ON ALL 3 SURFACES
 - 10) AFTER WELDING, TRANSFER DRILL THRU BAR FROM PLATE
 - 11) AFTER FINISH, BOND D3807-X GASKET TO INNER SURFACE OF WEARPLATE USING A THIN LAYER OF 3M 1300/1300L SCOTCH GRIP ADHESIVE

DESIGN	92	DART AEROSPACE USA, INC.	
DRAWN		KENT, WA	
CHECKED		DRAWING NO. D3805	REV. B
MFG. APPR.		SHEET 3 OF 8	
APPROVED		TITLE	SCALE
DE APPR.		WEARPLATE ASSY	NTS
DATE	11.09.16	<small>COPYRIGHT © 2006 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	

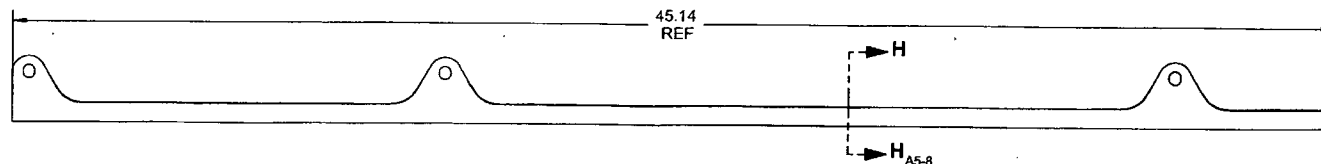
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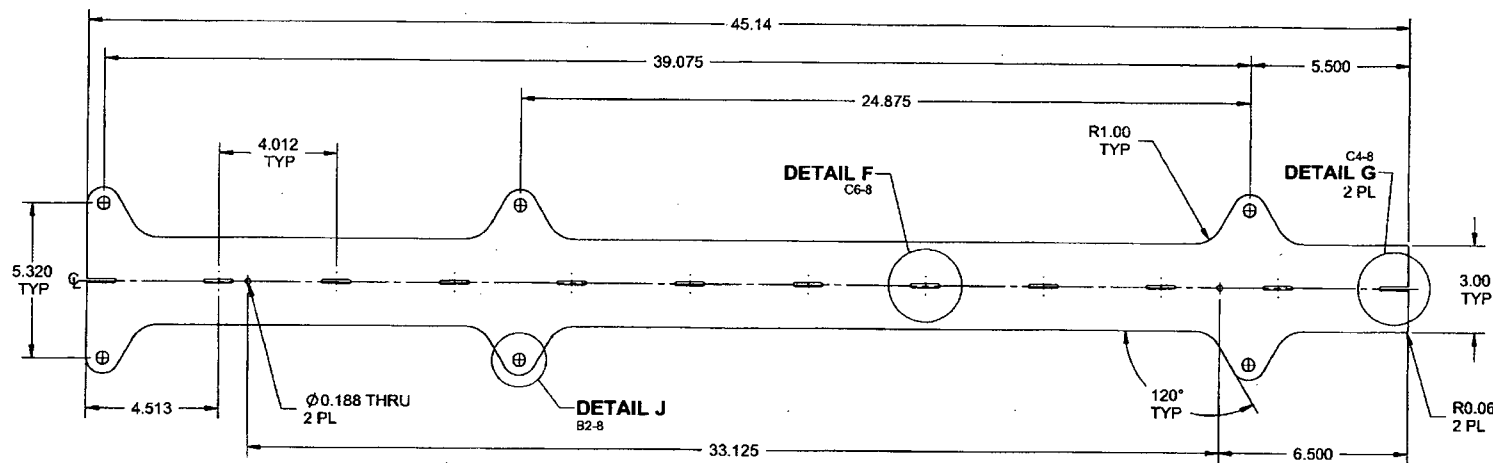




8 7 6 5 4 3 2 1



D3805-7 PLATE
(MAKE FROM D3805-7F)



D3805-7F PLATE

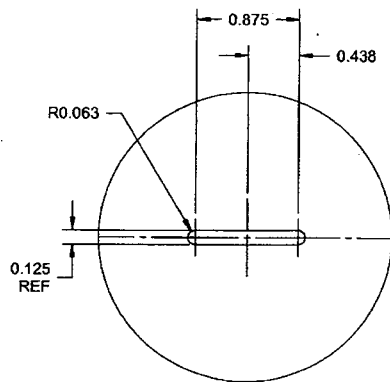
RELEASED
2011-10-03
ND

NOTES:

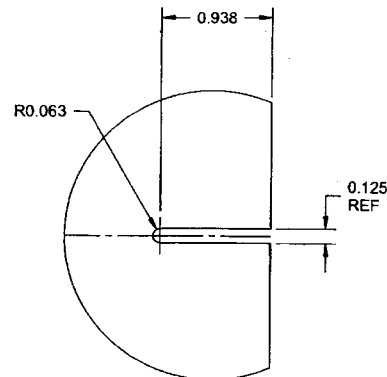
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET PER AMS 5513 OR 5524
18 GAUGE (0.050 THICK)
REF. DART SPEC. M304S18GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 2.13 lbs

DESIGN		DART AEROSPACE USA, INC.	
DRAWN		KENT, WA	
CHECKED		DRAWING NO. D3805	REV. B
MFG. APPR.		SHEET 7 OF 8	
APPROVED		TITLE	SCALE
DE APPR.		WEARPLATE ASSY	NTS
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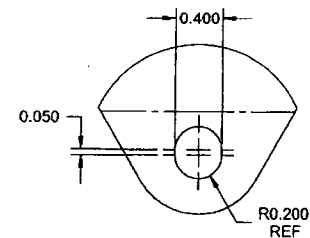
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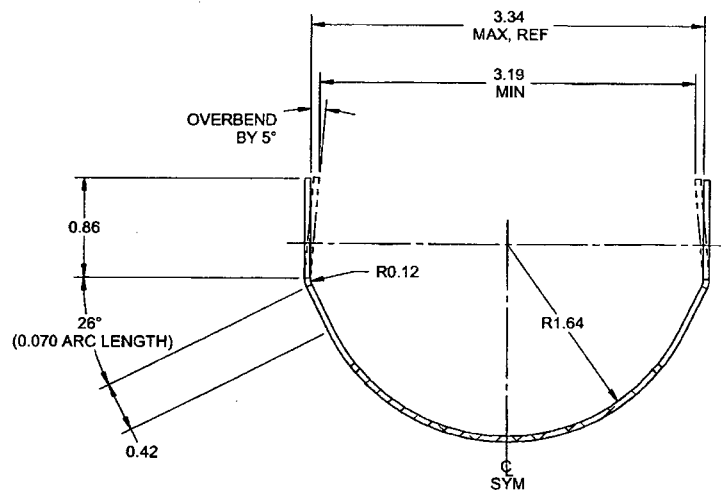
DETAIL F
SLOT DETAIL TYP
SCALE 4X
C5-4
C5-5
C4-6
C4-7



DETAIL G
SLOT DETAIL TYP
SCALE 4X
C1-4
C1-5
C1-6
C2-7









DETAIL J
SCALE 4X
B6-4
B7-5
B5-6
B5-7



SECTION H-H
SCALE 4X
D3-4
D3-5
D3-6
D3-7

RELEASED
2011-10-03

DESIGN		DART AEROSPACE USA, INC.	
DRAWN		KENT, WA	
CHECKED		DRAWING NO. D3805	REV. B
MFG. APPR.		SHEET 8 OF 8	
APPROVED		TITLE WEARPLATE ASSY	SCALE
DE APPR.		NTS	
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